Docket No. A██-2000-0509-US1

CLAIMS:

What is claimed:

1. A method for providing device management in a logical
5   volume management system, comprising:
      receiving device information from a device driver
for a device; and
      transforming the device into a logical disk based on
the device information.

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2. The method of claim 1, wherein the device is
transformed into the logical disk by a device manager
plug-in module.

15   3. The method of claim 1, further comprising:
      transforming the logical disk into a logical
partition.

4. The method of claim 3, wherein the logical disk is
20   transformed into the logical partition by a partition
manager plug-in module.

5. The method of claim 3, further comprising:
      constructing a volume group from the logical
25   partition.

6. The method of claim 5, wherein the volume group is
constructed by a volume group emulator plug-in module.

30   7. The method of claim 3, further comprising:
      creating a logical volume from the logical
partition.

Docket No. AU 2000-0509-US1

8. The method of claim 7, wherein the logical volume is created by a feature plug-in module.

5 9. The method of claim 7, further comprising:

exporting the logical volume.

10. An apparatus for providing device management in a logical volume management system, comprising:

10 receipt means for receiving device information from a device driver for a device; and

logical disk means for transforming the device into a logical disk based on the device information.

15 11. The apparatus of claim 10, wherein the logical disk means comprises a device manager plug-in module.

12. The apparatus of claim 10, further comprising:

logical partition means for transforming the logical

20 disk into a logical partition.

13. The apparatus of claim 12, wherein the logical partition means comprises a partition manager plug-in module.

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14. The apparatus of claim 12, further comprising:

volume group means for constructing a volume group from the logical partition.

30 15. The apparatus of claim 14, wherein the volume group means comprises a volume group emulator plug-in module.

16. The apparatus of claim 12, further comprising:

  logical volume means for creating a logical volume from the logical partition.

5 17. The apparatus of claim 16, wherein the logical volume means comprises a feature plug-in module.

18. The apparatus of claim 16, further comprising:

  export means for exporting the logical volume.

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19. A computer program product, in a computer readable medium, for providing device management in a logical volume management system, comprising:

  instructions for receiving device information from a

15 device driver for a device; and

  instructions for transforming the device into a logical disk based on the device information.

20. The computer program product of claim 19, wherein the

20 instructions for transforming the device into a logical disk comprise a device manager plug-in module.